EXECUTIVE DEPARTMENT, WREBEAN, The Live Stock Sanitary Commission of the Territory of Asizona have directed my attention to the fact, that reliable information has reached them that contagions pleuro-pneumonia has made its appearance in a large number of animals within the States of New York, Vermont, Pennsylvania, New Jersey, Delaware, Virginia, Illinois and the District of Columbia, and is liable to make its appearance in the State of Missouri. That the sattle interests of the Territory are greatly endangered by the prevalence of this plague endanger d by the prevalence of this plague in the said States owing to importations of cattle therefrom, and Wheneas, The immense cattle interests of

Arizona are thus menaced and a heavy loss upon this one of the most important of our in-dustries is liable to occur, unless precautionary

dustries is liable to occur, unless precautionary measures are adopted.

Now, Therefore, I, C. Meyer Zulick, Gov's ernor of the Territory of A izona, by virtue of the authority of law in me vested, do hereby order, establish and declare a quarantine, to take effect the first day of June, 1887, against all the said Territory heretofore mentioned, cmbracing also England, Scotland and the Domi isn of Cansila, on all bovine cattle from said localities coming into the Territory of Arizona unless they are quarantined at the point of entry prescribed by the rules and regulations of the Live Stock Sanitary Commission of Arizona, for a period of sixty days, and retained there until they shall receive a certificate of health signed by the Veterinary Surgeon of the Territory of Arizona, or some duly authorized deputy under him.

Surgeon of the Territory of Arizona, or some duly authorized deputy under him.

IN TERTIMONY WHEREOF, I have hereunto [SEA4] set my hand and caused the Great Seal of the Territory to be affixed.

Done at Prescott, the Capital, this twenty-sixth day of May, A. D. 1887.

C. MEYER ZULICK,

By the Governor, WM. C. FOSTER, Acting Sec. of Ter. 7-9-4

Probate Notice.

In the Probate Court, in and for the Country of Pinal, Territory of Arizona.

In the matter of the estate of Wm. F. Cattrell, deceased. Order to show cause why decree of distribution should not be made.

On reading and filing the petition of George Cattrell, Executor of the estate of William F. Cattrell, deceased, and praying among other things for an order of distribution of the residue of said estate among the persons entitled:

tled:

It is ordered, that all persons interested in the estate of the said William F. Cattrell, deceased, be and appear before the Probate Court, in and for the county of Pinal, at the court room of said court, in the town of Flor-ence in said Pinal county, on the 25th day of July, 1887, at 10 o'clock a. m., then and there to show cause why an order of distribution should not be made of the residue of said es-tate among the heirs of the said deceased,

tate among the heirs of the saw according to law:

It is further ordered that a copy of this order be published for four successive weeks, before the said 26th day of July, 1887, in the ARIZONA WERKLY ENTRIPRISE, a newspaper printed and published in said Pinal county.

I.EVI RUGGLES, Probate Judge.

Dated June 22, 1887.

Summons.

In the District Court of the Second Judicial District of the Territory of Arizona, in and for the County of Pinal.

W. Morgan, Thomas S. James and P. W. Morrison, Plaintiff, vs. George N. Fletcher, defendant.

Action brought in the District Court of the Second Judicial District of the Territory of Arizona, in and for the County of Pinal, and the Comptaint filed in the said County of Pinal, in the office of the Clerk of said

of Pinal, in the office of the Clerk of said District Coars.

The Territory of Arizona sends greeting to George N. Fletcher, defendant.

You are hereby required to appearin an action brought sgainst you by the above namely plaintiffs, in the District Court of the Second Judicial District of the Territory of Arizona, in and for the County of Pinal, and to answer the complaint filed therein, within twenty days (exclusive of the day of service), after the service on you of this summons (if served with in this county; or if served out of this county, but in this district, within thirty days; otherwise within forty days) or judgment by default will be taken against you according to the prayer of said complaint.

The said action is brought to obtain a decree of this Court requiring you to set forth the nature and ground of your claim to the "Eighty-Six" mine, formerly known as the "Mars" mine, said mine being situate about 200 yards northwesterly from the Mammoth Mine, in Old Hat Mining District, Pinal County, Arizona Territors, and that by said decree it be adjudged that you have no interest or estate in said mining ground, and that plaintiffs title therete is good and valid, and for other and further relief, and costs of suit, as will more fully appear from the complaint on file herein.

And you are hereby notified that if you fall

And you are hereby notified that if you fail

And you are hereby notified that if you fail to appear and answer the said complaint, as above required, the said plaintiff will have your default entered, and apply to the Court for the relief therein situancied.

Given under my hand and Seal of the District Court of the Second Judicial District of the Territory of Arizona, in and for the County of Pinal, this 27th day of June, in the year of our Lord, one thousand eight hundred and eighty-seven.

W. WOOD PORTER, Clerk.

Stoan & Stone Attre for Pluffs. SLOAN & STONE, Att'ys for Pl'tfis.

SUMMONS.

In the District Court of the Second Judicial District, of the Territory of Arizona, in and for the County of Pinal.

Mary B. Meredith, Plaintiff, ys. W. H. Meredith, Defendant.

Action brought in the District Court of the Second Judicial District of the Territory of Arizona, in and for the County of Pinal, and the complaint filed in the said County of Pinal, in the office of the Clerk of said District Court the office of the Clerk of said District Court.
The Territory of Arizona senda Greeting to:
W. H. Meredith, defendant.

The Territory of Arizona sends Greeting to:

W. H. Meredith, defendant.
You are hereby required to appear in an action brought against you by the above named plaintiff, in the District court of the Second Judicial District of the Territory of Arizona, in and for the County of Pinal, and to answer the complaint filed therein, within twenty days (exclusive of the day of service), after the service on you of this summons (if served within this country, or if served out of this county but in this district, within thirty days, otherwise within forty days), or judgment by default will be taken against you according to the prayer of said complaint.

The said action is brought to obtain a decree of this Court that the bonds of matrimony existing between you and plaintiff may be dissoived, that plaintiff may have the care and custody of Annes Meredith, minor daughter of you and plaintiff, and for such other and further relief as may be equitable.

All of which will more furly appear from the complaint on file herein, to which you are referred.

And you are hereby notified that if you fail to appear and answer the said complaint, as above received.

And you are hereby notified that if you fail to appear and answer the said complaint, as above required, the said plaintiff will have your default entered and apply to the court for the relief therein demanded.

Given under my hand and seal of the District Court of the Second Judicial Disfistal. I trict of the Territory of Arizona, in and for the County of Pinal, this 24th day of May, A. D. 1887.

W. WOOD PORTER, Clerk.
R. E. SLOAN & W. R. SYONE, Pl'tff's Att'ys.

Estray Notice.

Taken up by the undersigned, on the 9th of June, 1887, one heifer calf, about 10 months old, color black, with few white spots. No ear marks or brands. Also one heifer about 8 months old, color red, with white back. No ear marks or brands. The owner is requested to come and yet stock, any charges and take to come and get stock, pay charges and take JAS BRASH Round Valley, June 25.

NOTICE.

The Annual meeting of the Stockholders of the Southern Pacific Railroad Company (of Arizona,) will be held at the office of the Company in San Francisco, State of California, on Wednesday, July 13th, 1887, at 10 o'clock, a.m., to elect Directors for the ensuing year, and to transact such other business as may properly come before said meeting.

11-5 F. S. DOUTY, Sec'y.

Pure Fresh Water,

Families Morning and Evening. P. S. RAMIREZ, Prop.



CAPITAL PRIZE, \$150,000 "We do hereby certify that we supervise the arrangements for all the Monthly Semi-Annual Drawings of the Louisiana State Lottery Company, and in person manage and control the Drawings them-selves, and that the same are conducted with honesty, fairness and good faith toward all parties, and we authorize the Company to use this cortificate, with fac-similies of our signatures attached, in its advertisements.

We, the undersigned Banks and Bankers, vill pay all prizes drawn in The Louisiana State Lotteries which may be presented at our counters.

J. H. OGLESBY, Pres. Louisiana Nat'l Bk PIFERE LANALY, Pres. State Nat'l Bk A. BALDWIN, Pres. Now Orleans Nat'l Bk CARL KOHN, Pres. Union National Bank UNPRECEDENTED ATTRACTION! Over Half a Million Distributed.

Louisiana State Lottery Company Incorporated in 1888 for 25 years by the Leg for Educational and Charitable purposes with actial of \$1,000,000—to which a reserve fund of \$250,000 has since been added.

By an overwhelming popular vote its franchise made a part of the present State Constitution adopted the property of \$1,000,000 for \$1.000 f The only Lottery ever voted on and er

dorsed by the people of any State. It never scales or postpones.

Its Grand Single Number Brawings take place monthly, and the Semi-Annual Brawings regularly every six-months (June and December). December: A SPLEXIME OPPORTENTY TO WIN A FORTENE, SEVENTH GRAND DRAWING, CLASS 4, IN THE ACADEMY OF MUSIC, NEW OR, LEANS, TUESDAY, July 12 1887-206th Mouthly

Capital Prize, \$150,000. Notice-Tickets are Ten Dollars only. Halves, \$5. Fifths, \$2. Tenths, \$1.



Applications for rates to clubs should be made only to the office of the Company in New Orleans.

For further information write clearly, giving full address POSTAL NOTES, Express Money Orders, or New York Exchange in ordinary letter. Currency by express jat our expenses addressed to (at our supeuse) addressed to

New Orleans, La,

Washington, D. C. Address Registered Letters to NEW ORLEANS NAT'L BANK.

REMEMBER That the presence of Generals Beauregard and Early, who are 12 charge
of the drawings, is a guarantee of absolute fairness and
integrity, that the chances are in equal, and that no one
can possibly divine what number will draw a prize.

REMEMBER that the payment of all
prizes is GUARANTEED BY FOUR
NATIONAL BANKS of New Orleans,
and the tickets are signed by the President of
an institution whose chartered rights are recognized in the highest courts; therefore, bewars of any imitations or anonymous schemes.

WILLIAMS HOTEL, SILVER KING, A.T.,

ROBERT WILLIAMS. - Proprietor.

This house, under the new management, ha been overhauled, renovated, provided with new furniture, conveniences, etc., and is the place where the traveling public will always find the best accommodations at the most reasonable. the most reasonable

> rates. OUR BAR has been newly stocked with the

Choicest Wines, Liquors and Cigars.

LETTHE STAGE OFFICE IS AT THIS HOUSE.

When you visit King give us a call.

ROBERT WILLIAMS. Saddles, Harness,



Carriage Trimming.

MARTIN WARR. W. S. KENGLA WAER & KENGLA. TUCSON, . .

Gentlemen, give Waer & Kengla your Saddle and Harness work—by so doing you can buy a Saddle, Harness or Hamestring, as cheap as by the dozen in California. No apprentices by the dozen in California. No apprentices employed, Work guaranteed to give satisfac-tion or money returned. We ask but one trial—it shall cost nothing—avail yourselves of it—to save the country, and keep your

MEAT MARKET.

-All kinds of-

Choice Fresh Meats.

____nt___ TS, REASONABLE PRICES. TO

J. M. OCHOA. South of Post Office, Main street, Florence. JOHN A. BLACK,

- Dealer in -WATCHES, DIAMONDS, JEWELRY,



Corner Congress and Meyer Streets, Tucson WATCH REPAIRING A SPECIALTY.

ARIZONA WEEKLY ENTERPRISE.

LIMEKII N CI LIB

A Dastardly Deed Which Led Brother Gardner to Deliver a Sound Lecture The thirteenth dastardly attempt to destroy Paradise Hall was revealed at five o'clock Saturday evening when the janitor arrived to place the hall in order for the usual meeting. Ever since the attempt of last October bear-traps and spring-gans have been set at every door and window when the hall was closed, and this fact was generally khown to the public. The human hyena who had resolved in his own base mind to destroy the headquarters of the club procured a ladder, mounted to the roof, and then eut a hole and descended alongside of a chimney. In this way he thought to escape all dangers prepared for him, and he no doubt chuckled with fiendish glee as he dropped down into the library. His first move was to demolish the bust of Cicero. This was one of the first busts donated to the club, and has represented Horace Greeley, Napoleon Bonaparte, Franklin Pierce, George Washington and several other distinguished men by turas. The villain seized a crowbar standing in a corner of the library and demotished the bust at one awful sweep. He then started for drive the crowbar through and through it, and then vengeance overtook him. As he stepped into the passage behind the secretary's desk a bear-trap awaited his coming with yawning jaws and clashing teeth. What occurred is partially a matter of guesswork. The trap was found sprung and in its jaws was bloody boot. Bloody tracks led from thence to the ante-room, and there the dastard had raised a window and leaped down on the roof of the grocery and escaped to the ground. The occurrence probably took place Friday night, as the policeman on the beat remembers of hearing a loud, long shriek about eleven o'clock. It sounded to him like the voice of a strong man about to give up the fight for his life, and though he investigated the neighborhood he was made no wiser. How the villain suffered-how he wrung his hands and

has visited the scene. It is supposed that he had a "pal" in the alley, and that this man finally came to his relief and pried the trap open far enough to permit the foot to be pulled out of the boot. As soon as the meeting was called to order the janitor reported the case, accompanied by a war map, and Brother Gardner arose and said:

vowed to live a better life hereafter-

how the sweat of agony stood on his

forehead and his eyes grew fiercely

wild-can be imagined by any one who

"My frens, dis incident furnishes me vid an opportunity to address you on de subjick of Goodness vs. Badness. If, when a baby was three days ole, he could reason an' calkilate, he would eason as follows: 'Heah I ar', a sound, healthy boy, wid a big show of growin' up to manhood. De more I kick an' rell an' misbehave doorin' my infancy de mo' spankin's I'll receive. De better I mind an' de gooder I ar' as a boy de easier will I slip along. As a young man I shall be upright an' honest. As a middle-aged man I shall act on de squar'. As an ole man I shall quit chawin' plug tobacker, read up on de Bible an' go to bed airly.'

"Wiekedness doan' pay, figger it up as you will. We hev had many instances of it in dis club, an' we ar' surrounded wid 'em at home. Whalebone Howkerstole a wheelbarrer belongin' to Pickles Smith he at fust rejoiced an' was glad. He felt dat he was two dollars ahead of de game, and he poked hisself in de ribs for a smart man. Howsumeber, he hadn't had dat stolen vehickle in his posseshun two hours when his game rooster died, de dog-catcher picked up his dog, an' a man who owed him four dollars went into bankruptcy. He could figger dat he was eight dollars out of pocket, an' den Pickles foun' out who stole his wheelbarrer an' cum ober an' licked Whalebone widin an inch of his life

besides. "Take de case of Bermuda Jones, who libs nex' doah to Condensed Cunningham. Bermuda sot down wid a piece of chalk an' figgered up dat wickedness paid two hundred per cent., an' he went ober to de grocery; backed up agin a cracker bar'l, an' while he ingaiged de grocer in a religus discushion wid one hand, he filled his hind pocket wid crackers wid de odder. started out of dat grocery feeling dat he was seben cents ahead an' still gainin', but what was de result? A small boy, who was in dar to buy a cent's worf of taffy, seed de hull performance an' told de grocer. Bermuda was follered home, knocked down in the kitchen an' made to give up de fo' caneseat cheers in his parlor to settle de case. Did he profit by his badness? Bid he make any two hundred per cent. on dat?

"Agin, take de case of Kurnel Leffingwell Kabar. I had six Leghorn hens in my coop, an' he coveted 'em. Instead of comin' to me in a frank, honest way an' offerin' to buy dose hens at deir value an' gibin' me his note due in thirty days, he steals upon my coop in de gloom of midnight an' forcibly captivates my poultry. He chuckled to hisself ober his smartness an' he figgered up his two hundred per cent. profit, but a Nemesis war' on on his trail. He left one of de ole blue patches on his pants on a nail in de coop, an' when I found my hens gone I walked ober to his humble cabin an' took him by de neck an' drawed him out doors. Some of you hev probably heard dat he went into a decline soon arter dat, an' dat when de post-mortem was held three of his ribs war' found stickin' out of his back.

"I hev figgered on goodness an' badness, an' I tell you dat badness doan' pay. Some of you may hev lifted a ham at de co'ner grocery widout bein' caught at it, but yit how did you feel Guilt was sich a burden on yer soul dat goes aroun' wid his hat on his ear, afeared of nobody an' lookin' ebery ment or not.—New York Tribune

body square in de eye. It he happens to see de patrol wagon gwine along he doan' turn pale. If anybody happens to lay a hand on him he doan' sink

inter his butes. "How ar' it wid de bad men? He's allus lookin' fur b'ar-traps an' springguns. He's allus 'spectin' to be 'rested an' sent up. A strange knock at his eabin doah sends a chill up his back. Go whar' he will, he feels guilty and afeared, an' some fine day when he am out injoyin' de balmy breeze 'long comes a detective an' claps de handcuffs on him, an' away he goes to Jackson fur ten y'ars. You can figger an' figger, but goodness am bound to come under de wire a full length ahead."

The president's address created considerable excitement, and Waydown Bebee was ready with the following preamble and resolution: 'WHEREAS, Goodness ar' mon' profitable dan dness, an' also easier on de conshience; now,

"Resolved, Dat it ar' de sense of this meetin

dat we stick to goodness."

The resolution was adopted by unamious vote, and the meeting adjourned with much good feeling.— $D\varepsilon$ -

WENT BACK TO MA. A Would-Be Dime-Novel Hero's Misery

troit Free Press.

and Repentance. He was a little fellow not over twelve vears old, and he was sitting behind a box over at the Omaha depot the other morning softly crying and looking very dirty and forlorn

"What's the matter?" we asked. "Haint nothin' the matter," he said, detiantly, sitting up straight, hastily brushing away his tears and pushing back his jacket a little 55 as to display the handle of an old revolver in his pocket. Then he looked off across the river at the strange buildings and lost his bravery, and buried his head again and sobbed through his tears:

"O, mister, I've been a-runnin' away an' I want 'o go home."

What made you run away?" "I thought it would be nice, but it haint, no, it haint," and he rested his face in his hands and looked the picture of woe. "Dick Dagger had heaps o' fun but I haint had a hit " "Who was Dick Dagger?"

"Didn't you ever hear o' him? was the boy scont of the Rockies, an' I wanted to be like him, There haint Indians what'll hurt a feller round here, is there?"

"No. "I wouldn't shoot 'em if there was. Dick shot 'em, but I don't want to. 1 want to get back home, but mebby I never will again," and once more his tears flowed.

"Where did you live?" "O, I live down at Marion, in Illinois, and it just bout killed me riding in that old freight ear, an' I hurt my knee, an' I'm cold and haint had no breakfast, nor supper, neither. I wish I'c never heard of Dick-I don't see how he got along so well-and if I ever ge home again and see my-my-my-myma-," but the thought of his mother

was too much for him. "I don't want to hunt Indians, or bears, or nothin' nor rescue no maidens, an' I'm tired of that old thing!" and he pulled a rusty revolver out o. his pocket that hadn't been fired off for ten years, and threw it across the track. "Please, mister, get me some thing to eat, and I'll work all day for you," and he looked up pitifully and straightener his little cap on his curly head.

We took him along and he ate three or four meals in one, but even after that he didn't say a word about exterminating the Indian. The next day a grave-looking father arrived looking for a very homesick boy, and they went back together. So the Government lost scout, but an anxious mother got back a boy who will never run away again .- Dakota Bell.

A MAN OF JUDGMENT.

An Arkansaw Gentleman Whose Business Principles Are Above Reproach. "Regardless of a previous engagement a man should attend to the most important business first," said a man

who claimed promptness as one of his virtues. "Do you know Bill Aikers?" "Yes," some one replied. "Well, Bill is a shining example of

this principle. Some time ago he had an appointment to meet a fellow who had promised to box his jaws. The time came, but Bill had not arrived, and the fellow had begun to cast reproaches on Bill's courage, when a note from Bill, which read as follows, was handed him: 'Just as I was coming to have my jaws boxed, I got a communication from a fellow telling me that if I would come down to his place immediately he would shoot me. As a fairminded man, you know that I could not neglect a case of shooting merely to attend to the slight matter of having my jaws boxed.' O, yes," the old fellow continued, "Bill has a wonderful judgment in regard to business. Takes up the most important matters first, and is consequently never very badly left."-Arkansaw Traveler.

Two Excellent Mottoes.

"I am very sorry, Mrs. Hardtack," said the new boarder, "but I'm a little short this week, and I'll have to ask you to wait a little for my board, though my motto is "To pay as I go." "Can't do it," replied Mrs. Hardtack. "My motto is, "Pay or go."-N. Y. Sun.

Poor Old Marshal Bazaine.

Speaking of the recent attempt to kill

him, poor old Bazaine said to a London Telegraph correspondent that he had come to resign himself during the past years to his painful fate, which doomed him to be an obligatory and enforced victim, a sort of consolatory holocaust, for a defeat that was inevitable. He once more insisted that had Marshal McMahon helped him in time things would have taken a different turn, and he took credit to himself for having avoided a bombardment which would have caused the destruction of thousands of men. Unfortunately his countrymen were fickle. Asked his opinion as to Gen. Boulanger and the present situation, the ex-marshal aid that if the chief of the French army were of a merit which corresponded with the popularity to which he has attained when a strange knock cum at de doah? he might succeed in doing something, but one man was not enough. The war might de ham tasted like saw-dust, an' you take place, and the French, in his opinion, woke up at midnight to see spooks were ready so far as effective fighting standin' by yer beds. De good man strength went, but it remained to be seen whether they had changed in tempera-

IRON CRYSTALLIZATION.

How it Produces Changes in the Fibers of the Metals and Weakens it. Since a passenger train on the North British railway plunged from the great bridge over the Firth of Tay into the dark waters below, one stormy December night seven years ago, carrying every living soul upon it to certain death. there has been no railroad bridge disaster that has excited so much public attention as that which occurred on the Boston & Providence railroad at the Bussey bridge near Boston. In both the cause appears to have been a structural defect. This may also be said of the Ashtabula accident, whose horrors, however, were increased by the fierce work of flames and the inclemencies of a bitterly cold winter night.

Bridge accidents are considered by

all railroad men as incomparably the worst to which travel by rail is exposed, and as among the most difficult to guard against absolutely. One source of danger was shown when the peculiar effects of a locomotive's hammer blows upon a track were explained. The theory was advanced that a girder of the bridge had broken beneath the engine's drivers, whose pounding upon the defectively constructed bridge was thus primarily the cause of the accident. This brings up a phase of railroad and bridge accidents which is at present receiving a great deal of attention. Crystallization in the material of iron bridges is an element of danger now so well recognized that the Pennsylvania Railroad Company has adopted the definite policy of hibstituting stone for iron bridges, and the same plan is being followed by other railroad companies.

The lifetime of an iron bridge is from twenty to twenty-five years, and constant care is necessary to insure its safety. The Ashtabula bridge was thirteen years old, and at the time it fell beneath the weight of two engines and a heavy express train the theory was commonly advanced that crystal-ization had impaired its original strength. The two great moving causes of crystallization are vibration and the hammer blows of the locomotive, which gradually, by repeated impact, turn the fiber of iron or steel into a mass of crystals, needing only some unusual pressure or blow to cause them to break apart. Add to this the oscillation caused by the passage of trains at a high rate of speed, and it will be seen that an iron bridge is exposed to peculiar perils, which can only be guarded against by rigid inspection and constant renewals.

Crystallization was one of several theories advanced by Park Benjamin, a New York engineer, to account for the Tay bridge accident. He said!

"General indications go to show that the cause must be sought in an abnormal condition of the structure, or rather one which did not enter into the calculations of the builders. Such a condition would be the deterioration of the metal by its change from a fibrous to a crystaline state under repeated vibration. That this occurs in railway bridges has been vigorously disputed by many wellknown engineers. On the other hand, many examples are quoted by different authorities to support the theory. Ap nature propos to this particular accident, a -Accordance distinguished French engineer and iron founder now in this country informs us that he has known bars of iron made by himself from Scotch pig to change from a tough fibrous to a brittle crystalline structure in traveling by rail only from the north of France to Paris. This is, of

course, an extreme instance. "Again, recent research has demonstrated that because a structure marvelous of the celestial phenomena. withstands a large quiescent load that fact is little proof of stability under repeated shocks and vibrations. Metals are believed to have a 'life.' A bar, for example, may stand a million vibrations and break down at the million and first, and yet the last shock may be lighter than preceding ones. Attempts, however, to reduce this law to practical application have elicited an abundance of conflicting evidence; but, nevertheless, it is well settled that in no department of mechanics is an extended course of actual experiment-

ing more urgently needed or of graver public importance. The strength of the Tay bridge at the time of its building was such that it was pronounced "perhaps the most remarkable structure in the world." Engineering, a British magazine, speaking of its test, when five engines, weighing 360 tons, were placed on a and obtains red crystals of alumina, or single span, said: "The result is the complete establishment of this fact (so important to the public), that the bridge is strong out of all proportion to its possible necessities. The load which the structure is calculated to carry is six times greater than that to which it was subjected."

And yet this great bridge, which cost \$1,750,000, collapsed within a few months after it was finished, the accident being the only one in all railroad history in which no survivor lived to tell

The theory of crystallization put forward at the time of the Ashtabala bridge disaster is now accepted as accounting for many railroad accidents, and seems peculiarly applicable to the fall of the Bussey bridge. Vibrations and hammer blows would seem to have crystallized some portion of the structure and prepared it for a fall when at last the "life" of a girder had been exhausted, and it broke beneath the en-

RUSSIAN LOCAL GOVERNMENT.

A Project on Foot-The Hereditary No

adelphia Record.

bility-A Curious Contrast. There is a project on foot in governmental circles in Russia for the reorganization of local administration, the central principle of which has rumored to be to base it on the principle of rendering the members of the class of hereditary landed nobility alone eligible subjects by Mr. Stcheglovitow go to disprove the practicability of this plan, which could only be advisable, or even possible, if there existed a class of noble landed proprietors soundly constituted and more or less proportionally distrib-uted throughout the empire. This is not class at all. The large province of Arch- Life

anger contains but four individuals who may be so considered.

Of the 115,000 titled land owners in the whole country nearly one-half are concentrated in nine governments of Little Russia, White Russia and Lithu-ania, and even there the distribution is very unequal; Poltava registers 10,157, while Kharkov contains only 3,412. In the Baltic provinces the aristocratic element is insignificant. In the Ukraine more than half the so called nobility might be more properly designated yeo-men, their freeholds being less than 250 acres. In the south and southeast the great territorial magnates predominate, from 40 to 80 per cent, of the estates consisting of more than 12,000 acres, but even here they are being pushed from their pride of place and social supremacy by new men from the ranks of com-

The numbers of the hereditary nobility are sensibly on the decline. In twelve years they have fallen off 18 per cent. The diminution of their revenues dates further back and is in a greater ratio. The absentee habits of the great nobility and the want of instruction of the smaller. who do not reside upon their lands, render them unfit to be the exclusive occupiers of the new government posts, in the opinion of the writer above mentioned. He thinks that there should be both a land property qualification and an educational test required in the case of every aspirant to office. From another source it would appear that the aristocratic members of the existing zemstvos are in a large majority, even in the towns, and that they require no special privileges to be conferred upon them by law to enable them to maintain their ascendency as local leaders.

by the conduct of these gentlemen in the assemblies of the nobles and in the zemstves, for many of them are members of both. In the former they seldom bring forward questions of general interest, although they have a right to do so, and are mainly engaged in asserting their class prerogatives, while in the latter they put themselves at the head of the popular and progressive movement, which is alien, if anything, to their class interests. In this way they show themselves at the same time egotistic and generous, defenders of their personal interests to the detriment of general interests and champions of the latter to the detriment of their own .- London Times.

SCIENCE AND INDUSTRY.

-The annual product of maple sugar in the United States is estimated at forty million pounds .- Christian at Work. -One firm of envelope manufacturers

in London is said to make 1,000,000 envelopes a day. -According to one estimate, the orange industry of Florida has increased

ten-fold in five years. -More than six billion pounds of fish were brought to the wharves of Portsmouth N. H., during the past winter fishing season.

-A Rochester astronomer states that he has observed that during solar disturbances there are many sudden deaths from paralysis and apoplexy. -An English company has perfected

its arrangements for providing sick chambers with telephones. The object is to give persons suffering from contagious diseases a chance to talk with their friends. Speaking tubes are inadmissable on account of the infectious Bueful Budget

-According to astronomers we may expect the appearance of the "Star of of Bethlehem" this year, which will be the sixth time since the birth of Christ. The star is said to appear directly north of the North star, and to be visible, in its dazzling light, at noonday. It is a solar orb, many times the magnitude of our sun, whose orbit is yet uncalculated by any astronomer, and it is the most

-Indianapolis Journal. -Of 150,000 earbons burned daily in the electric lights used in the United States, 100,000 are manufactured in Cleveland, O. Six years ago all the carbons burned in this country were made in a single room in Boston. Now there are twenty carbon furnaces in Cleveland alone. The carbons are made chiefly of the residuum of oil after it has been refined, but the deposit about natural gas wells is also coming into use. - Public Opinion.

-The manufacture of rubies has lately reached such perfection that the artificial product is often more valuable than the natural stone. The process employed is that of M. Fremy, who has described it to the Paris Academy of Sciences. Discarding a method discovered by him some years ago, he now dissolves alumina in fluoride of calcium. perfect rubies, which may be made of

large size. -And now Nicolarer, a student in Flujges laboratory, claims to have discovered the special bacilus or microorganism causing lockiaw, and Bruger puts forth claims that the disease is also due to the ptomaine "tetanine," produced in certain stages of putrefaction. This is a definite chemical compound which can be isolated by appropriate chemical processes. When injected beneath the skin it will produce a disease developing all the phenomena of lock-

PUNGENT PARAGRAPHS.

-Don't scratch matches on anybody else's walls or woodwork. -There is a quite a difference be-

tween law and justice. - Philadelphia

North American. -Society, it has been said, is composed of two great classes; those who have more dinners than appetite, and gine's thumping driving wheels .- Phil- those who have more appetite than

> -Mamma - "Gracious goodness, child! What on earth are you doing?' Little Lady-"I am watering the flowers on mamma's new bonnet. They looked so dreadfully dry." - Detroit Free Press. -A Pointer for Lovers Bold .-

Pause not to plead for a caress Unless you doubt veracity; For "no" means "yes" If you transgress With lover-like audacity.

-An old maxim is, "He that infor election to the provincial assemblies. creaseth knowledge increaseth sorrow."

The facts disclosed in an essay on the so many college young men prefer baseball to the classics. - N. Y. Graphic.

-Social Co-operation: Debutante-What beautiful china the de Jones have." Old Stager - "Tis rather It looked much better at pretty. Smythe's last week, though. Smythe's so. In the north and extreme east of Russia there may be said to be no such mahogany table rather set it off."-

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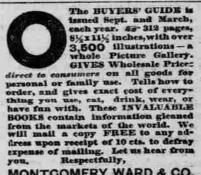
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